

## FIGURE 1

att ccg gct tct atg gag cac tcg gga cca ggt ccg cgg cgc gcg cac tcg ctc  
gct cgc cgc ccc cca gcc agc tct cgc ttc cgc gcc gcc agc cgc gcc cgc cgc  
ctc ctc gct gca ccc cgc gac cta gag cca aga aag ttt gtg tgg cga gtg agg  
gcc gga gag gag agc gcg ccc gcg gag tgc cgt cca gac cag cgc ggc ccc ggc  
gga gag ggg agc gcc ccg agc cca ggc ggc ggc tag ccc gag tcc gcg acc  
-26 -20  
Met Gly Ala Ala Ala Arg Ser Leu Pro Leu Ala Phe  
ccc gcc cct ccg ccc gcc atg ggc gcc gcc cgc agc ctg ccg ctc gcg ttc  
-10 -1 1  
Cys Leu Leu Leu Leu Gly Thr Leu Leu Pro Arg Ala Asp Ala Cys Ser Cys Ser  
tgc ctc ctg ctg ggg acg ctg ctc ccc cgg gcc gac gcc tgc agc tgc tcc  
10 20  
Pro Val His Pro Gln Gln Ala Phe Cys Asn Ala Asp Ile Val Ile Arg Ala Lys  
ccg gtg cac ccg caa cag gcg ttt tgc aat gca gac ata gtg atc agg gcc aaa  
30 40  
Ala Val Asn Lys Lys Glu Val Asp Ser Gly Asn Asp Ile Tyr Gly Asn Pro Ile  
gca gtc aat aag aag gag gtg gac tct ggc aac gac atc tac ggc aac ccc atc  
50  
Lys Arg Ile Gln Tyr Glu Ile Lys Gln Ile Lys Met Phe Lys Gly Pro Asp Gln  
aag cgg att cag tat gag atc aag cag ata aag atg ttc aag gga cct gat cag  
60 70  
Asp Ile Glu Phe Ile Tyr Thr Ala Pro Ala Ala Val Cys Gly Val Ser Leu  
gac ata gag ttt atc tac aca gcc ccc gcc gct gcc gtg tgt ggg gtc tcg ctg  
80 90  
Asp Ile Gly Gly Lys Lys Glu Tyr Leu Ile Ala Gly Lys Ala Glu Gly Asn Gly  
gac att gga gga aag aag gag tat ctc att gca ggg aag gcc gag ggg aat ggc  
100 110  
Asn Met His Ile Thr Leu Cys Asp Phe Ile Val Pro Trp Asp Thr Leu Ser Ala  
aat atg cat atc acc ctc tgt gac ttc atc gtg ccc tgg gac acc ctg agt gcc  
120 130  
Thr Gln Lys Lys Ser Leu Asn His Arg Tyr Gln Met Gly Cys Glu Cys Lys Ile  
acc cag aag aag agc ctg aac cac agg tac cag atg ggc tgt gag tgc aag atc  
140  
Thr Arg Cys Pro Met Ile Pro Cys Tyr Ile Ser Ser Pro Asp Glu Cys Leu Trp  
act cga tgc ccc atg atc cca tgc tac atc tcc tct ccg gac gag tgc ctc tgg  
150 160  
Met Asp Trp Val Thr Glu Lys Asn Ile Asn Gly His Gln Ala Lys Phe Phe Ala  
atg gac tgg gtc acg gag aag aac atc aac gga cac cag gcc aag ttc ttc gcc  
170 180  
Cys Ile Lys Arg Ser Asp Gly Ser Cys Ala Trp Tyr Arg Gly Ala Ala Pro Pro  
tgc atc aag aga agc gac ggc tcc tgc gcc tgg tac cgc gga gca gca ccc ccc  
190 194  
Lys Gln Glu Phe Leu Asp Ile Glu Asp Pro  
aag cag gag ttt ctg gac atc gag gac ccg taa gca ggc cac cag gac tcc tgg  
ggc caa ttg aca gtg tcc aag agt tca gac tgg tcc agc tcc gac atc cct tcc  
tgg aca cag cat gaa taa a

FIGURE 2

att ccg gcc cgc cgt ccc 'oca ccc cgc cgc ccc gcc cgg cga att gcg ccc cgc  
 gcc cct ccc ctc gcg ccc cgc aga caa aga gga gag aaa gtt tgc gcg gcc gag  
 cgg ggc agg tga gga ggg tga gcc gcg cgg gag ggg ccc gcc tcg gcc cgc, gct  
 cag ccc ccg ccc gcg ccc cca gcc cgc cgc cgc gag cag cgc ccc gac ccc cca  
 -26  
 Met Gly Ala Ala Ala Arg  
 gcg gcg gcc ccc gcc cgc cca gcc ccc cgg ccc gcc atg ggc gcc gcg gcc cgc  
 -20  
 Thr Leu Arg Leu Ala Leu Gly Leu Leu Leu Ala Thr Leu Leu Arg Pro Ala  
 acc ctg cgg ctg ggc ctc ctg ctg ctg gcg acg ctg ctt cgc ccg gcc  
 -1 1 10  
 Asp Ala Cys Ser Cys Ser Pro Val His Pro Gln Gln Ala Phe Cys Asn Ala Asp  
 gac gcc tgc agc tgc tcc ccc gtg cac ccc ccc ccc ccc gag cag gcg ttt tgc aat gca gat  
 20 30  
 Val Val Ile Arg Ala Lys Ala Val Ser Glu Lys Glu Val Asp Ser Gly Asn Asp  
 gta gtg atc agg gcc aaa gcg gtc agt gag aag gaa gtg gac tct gga aac gac  
 40 50  
 Ile Tyr Gly Asn Pro Ile Lys Arg Ile Gln Tyr Glu Ile Lys Gln Ile Lys Met  
 att tat ggc aac cct atc aag agg atc cag tat gag atc aag cag ata aag atg  
 60 70  
 Phe Lys Gly Pro Glu Lys Asp Ile Glu Phe Ile Tyr Thr Ala Pro Ser Ser Ala  
 ttc aaa ggg cct gag aag gat ata gag ttt atc tac acg gcc ccc tcc tcg gca  
 80  
 Val Cys Gly Val Ser Leu Asp Val Gly Gly Lys Glu Tyr Leu Ile Ala Gly  
 gtg tgt ggg gtc tcg ctg gac gtt gga gga aag aag gaa tat ctc att gca gga  
 90 100  
 Lys Ala Glu Gly Asp Gly Lys Met His Ile Thr Leu Cys Asp Phe Ile Val Pro  
 aag gcc gag ggg gac ggc aag atg cac atc acc ctc tgt gac ttc atc gtg ccc  
 110 120  
 Trp Asp Thr Leu Ser Thr Thr Gln Lys Lys Ser Leu Asn His Arg Tyr Gln Met  
 tgg gac acc ctg agc acc acc cag aag aag agc ctg aac cac agg tac cag atg  
 130 140  
 Gly Cys Glu Cys Lys Ile Thr Arg Cys Pro Met Ile Pro Cys Tyr Ile Ser Ser  
 ggc tgc gag tgc aag atc acg cgc tcg ccc atg atc ccg tcg tac atc tcc tcc  
 150 160  
 Pro Asp Glu Cys Leu Trp Met Asp Trp Val Thr Glu Lys Asn Ile Asn Gly His  
 ccg gag tgc ctc tgg atg gac tgg gtc aca gag aag aac atc aac ggg cac  
 170  
 Gln Ala Lys Phe Phe Ala Cys Ile Lys Arg Ser Asp Gly Ser Cys Ala Trp Tyr  
 cag gcc aag ttc ttc gcc tgc atc aag aga agt gac ggc tcc tgt gcg tgg tac  
 180 190 194  
 Arg Gly Ala Ala Pro Pro Lys Gln Glu Phe Leu Asp Ile Glu Asp Pro  
 cgc ggc gcg ccc ccc aag cag gag ttt ctc gac atc gag gac cca taa gca  
 ggc ctc caa cgc ccc tgt ggc caa ctg caa aaa aag cct cca agg gtt tcg act  
 ggt cca gct ctg aca tcc ctt cct gga aac agc atg aat aaa aca ctc atc ccc  
 gga att c

FIGURE 3

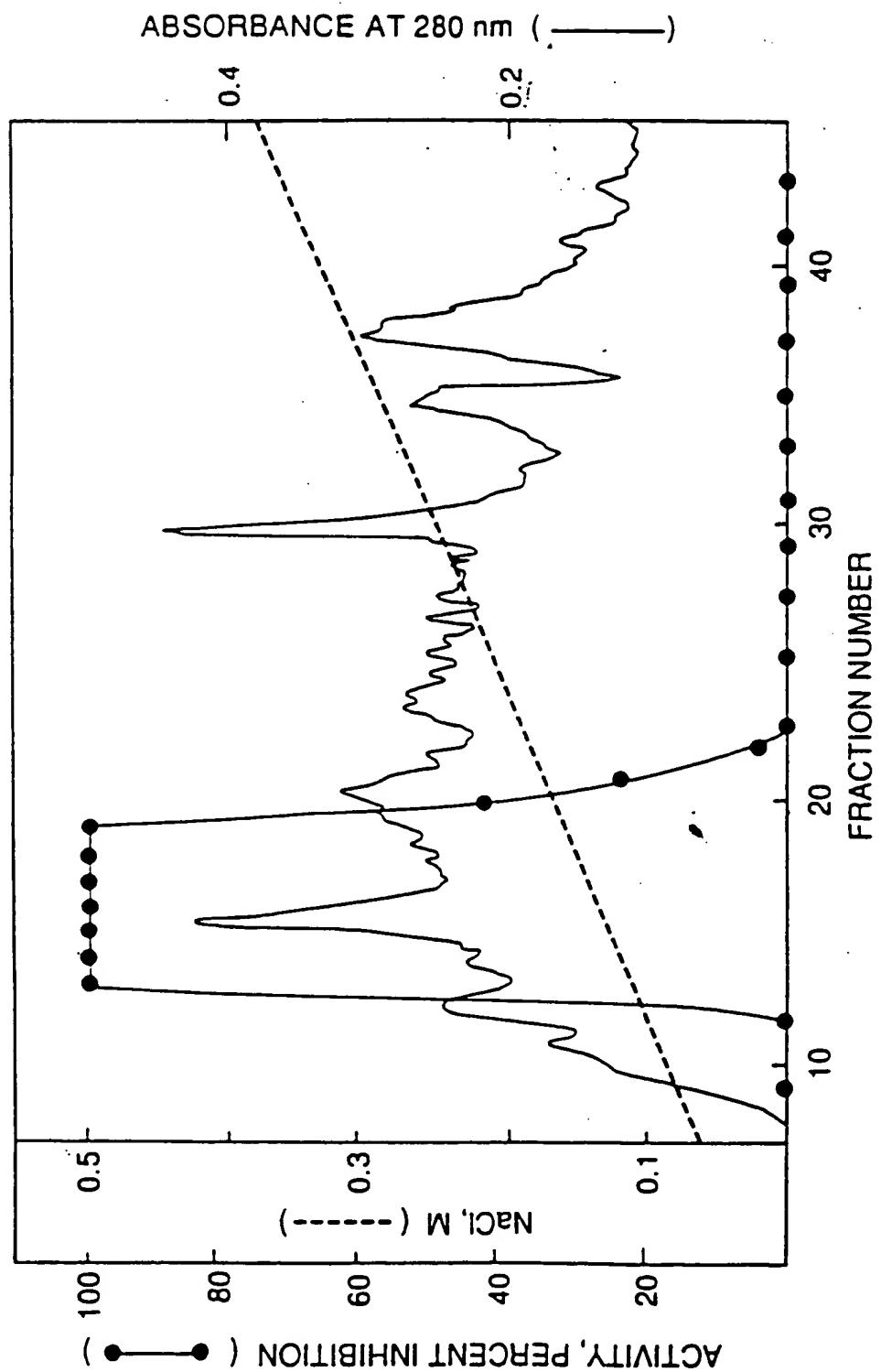


FIGURE 4

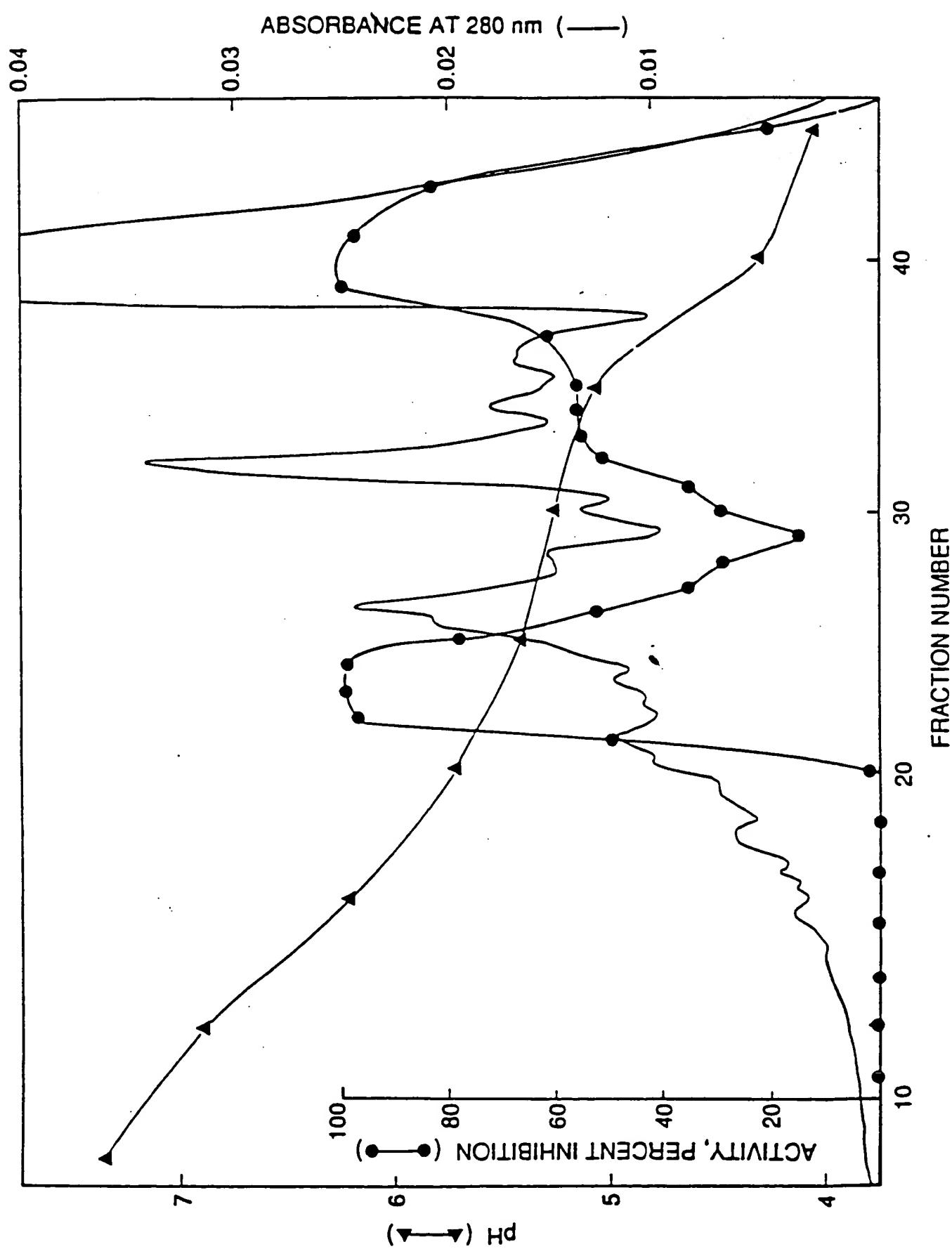


FIGURE 5

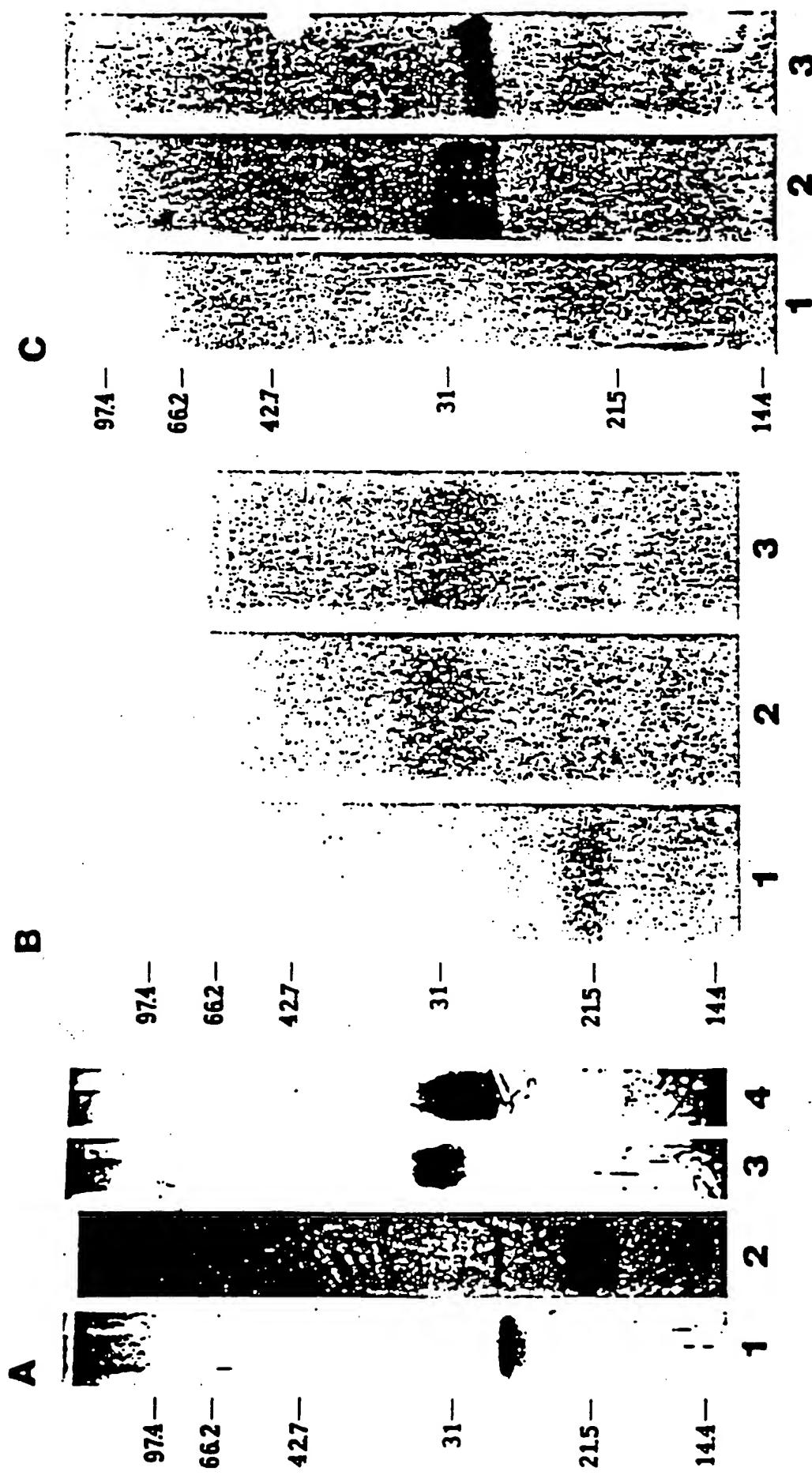


FIGURE 6

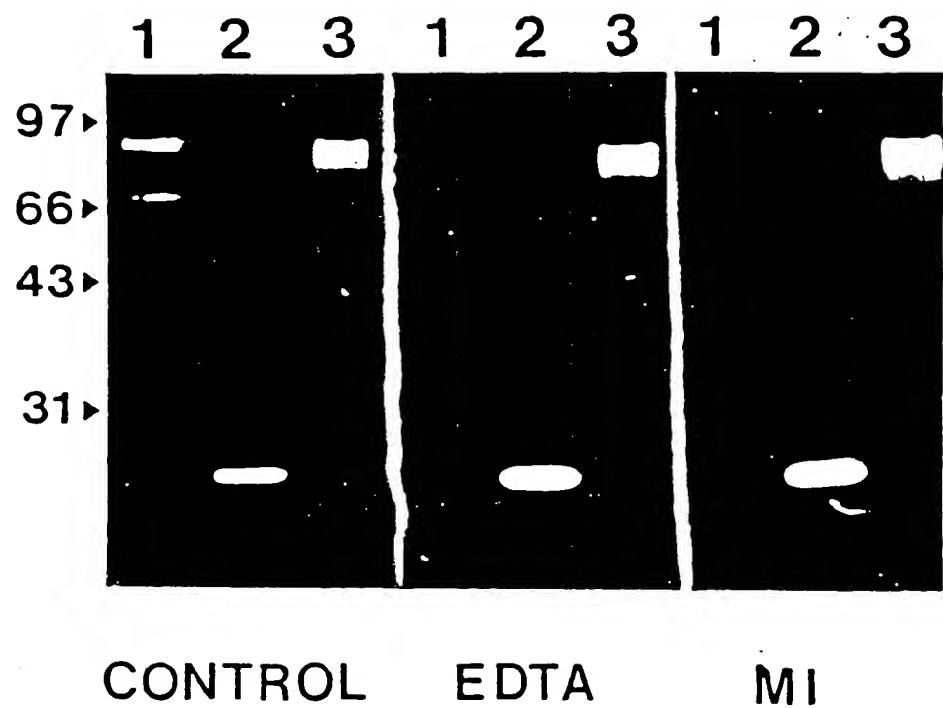


FIGURE 7

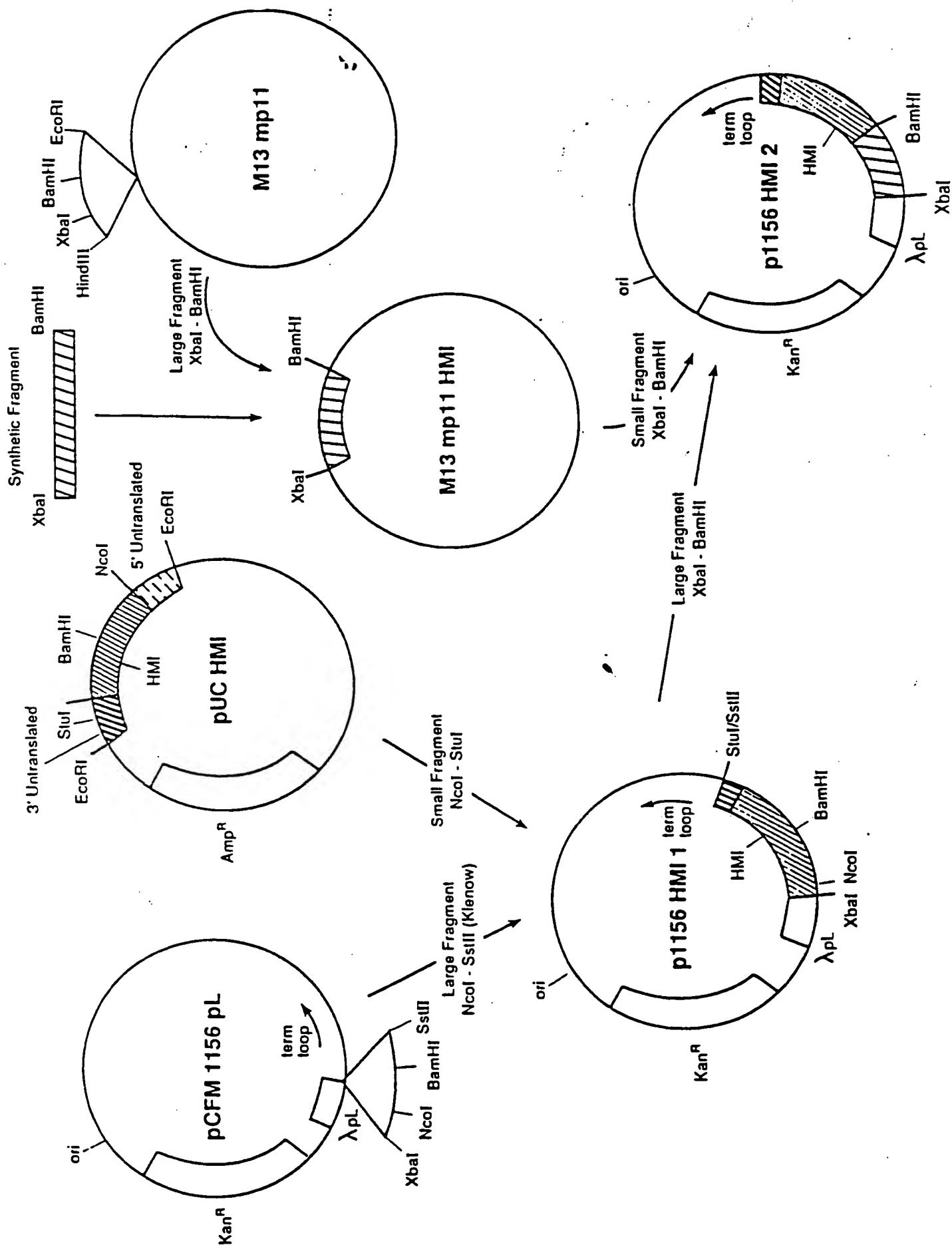
1 2 3

200 ▶ — — )  $\beta$

116 ▶ — — )  $\alpha$   
97 ▶ — — ) TC<sup>a</sup>

43 ▶ — — ) TC<sup>b</sup>

FIGURE 8



## FIGURE 9

10 20 30 40 50 60  
CTAGAAAAAA CCAAGGAGGT AATAAATAAT GTGTTCTTGT TCTCCTGTAC ACCCTCAACA  
TTTTTT GGTTCTCCA TTATTTATTA CACAAGAACAGAGGGACATG TGGGAGTTGT

70 80 90 100 110 120  
AGCTTTTTGT AACGCTGATG TAGTTATCCG TGCAAAAGCT GTTTCTGAAA AAGAAGTTGA  
TCGAAAAACA TTGCGACTAC ATCAATAGGC ACGTTTCGA CAAAGACTTT TTCTTCAACT

130 140 150 160  
TTCTGGTAAC GACATCTACG GTAACCCGAT CAAAAG  
AAGACCATTG CTGTAGATGC CATTGGGCTA GTTTCTCTAG

FIGURE 10

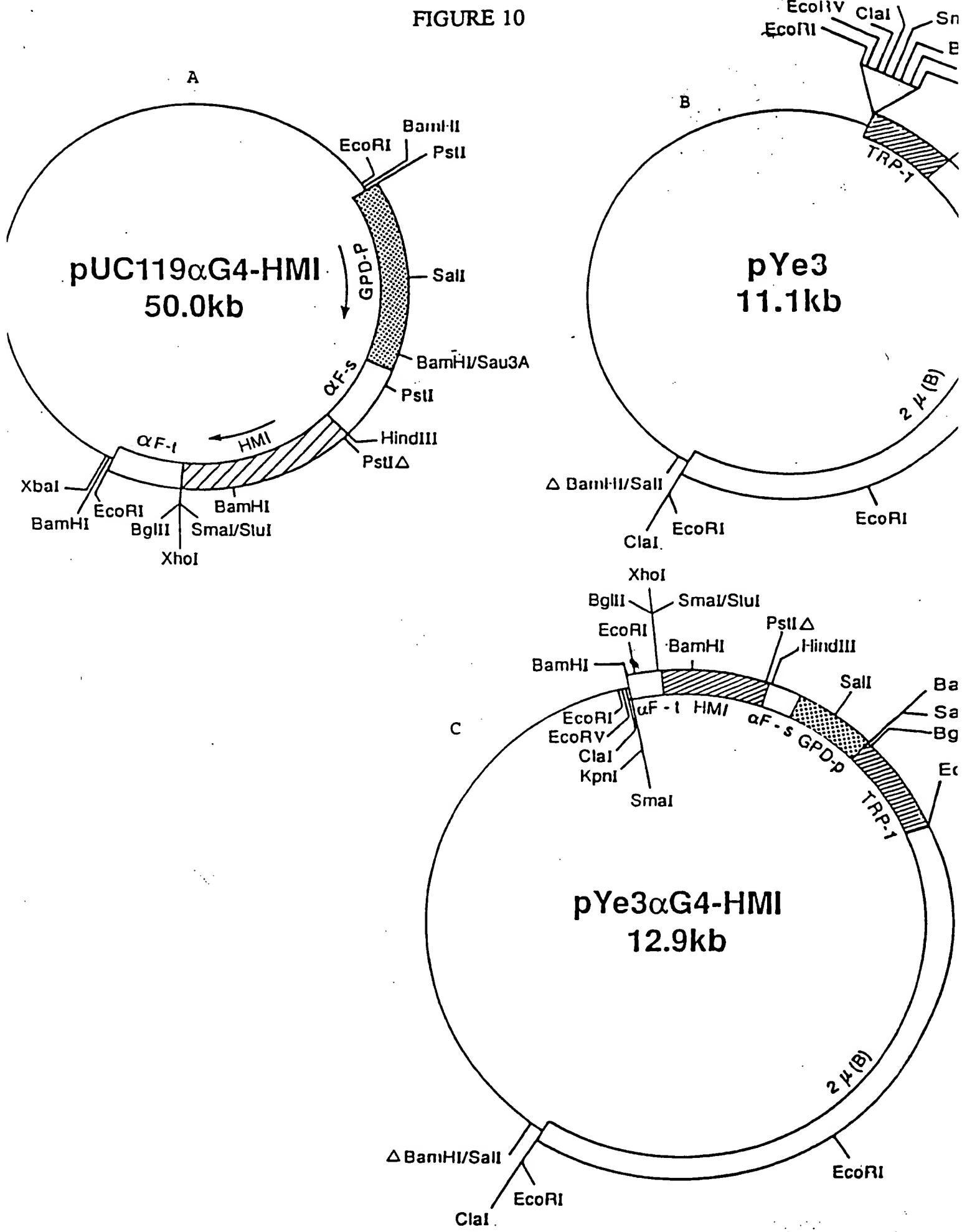
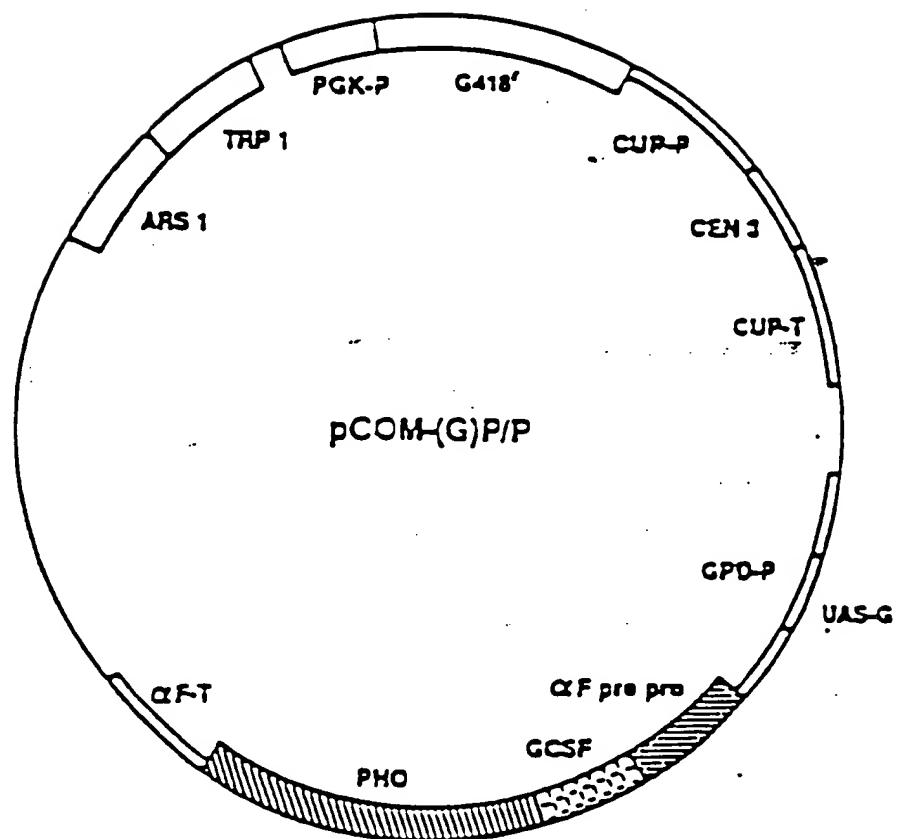


FIGURE 11



**FIGURE 12**

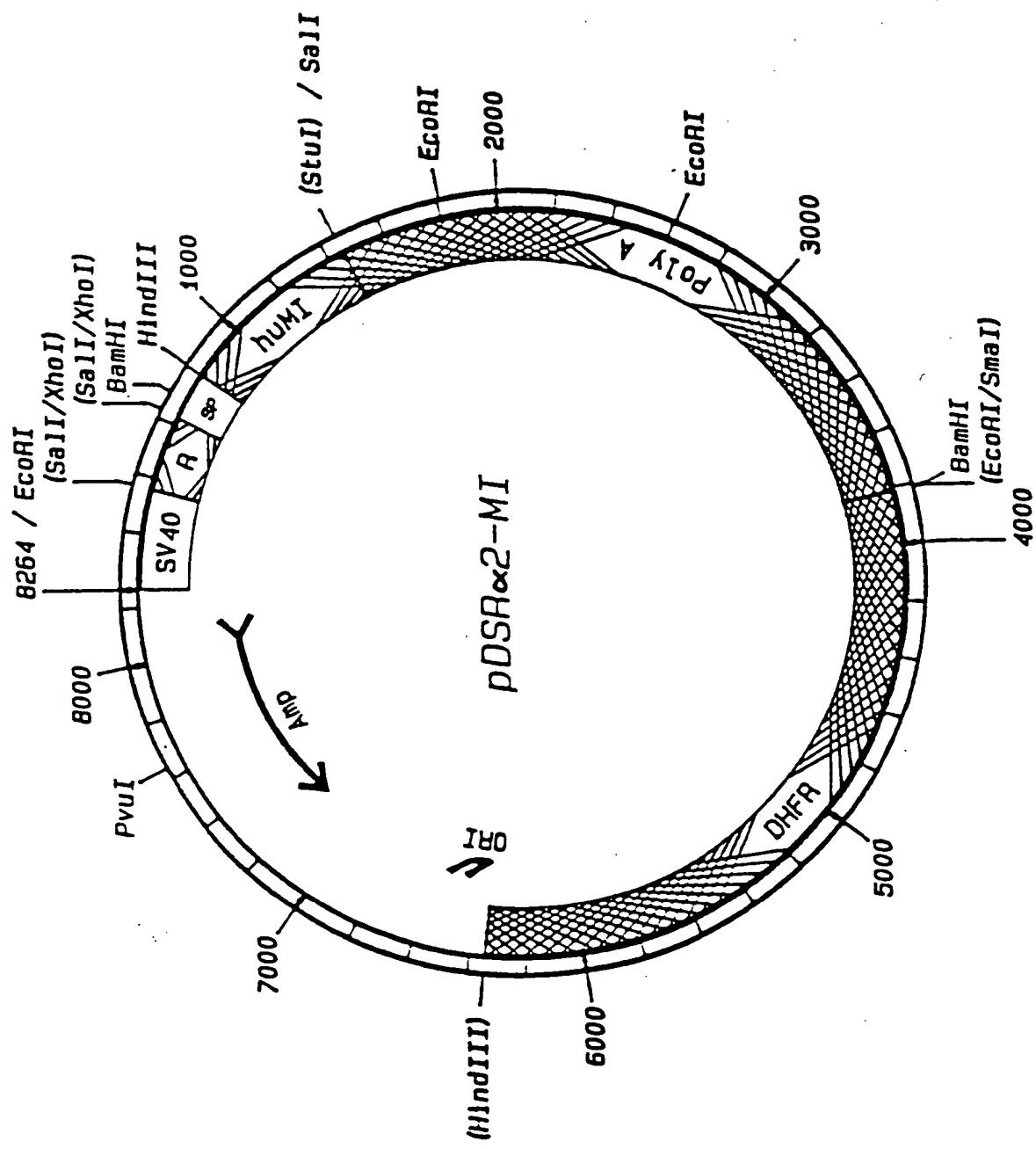


FIGURE 13

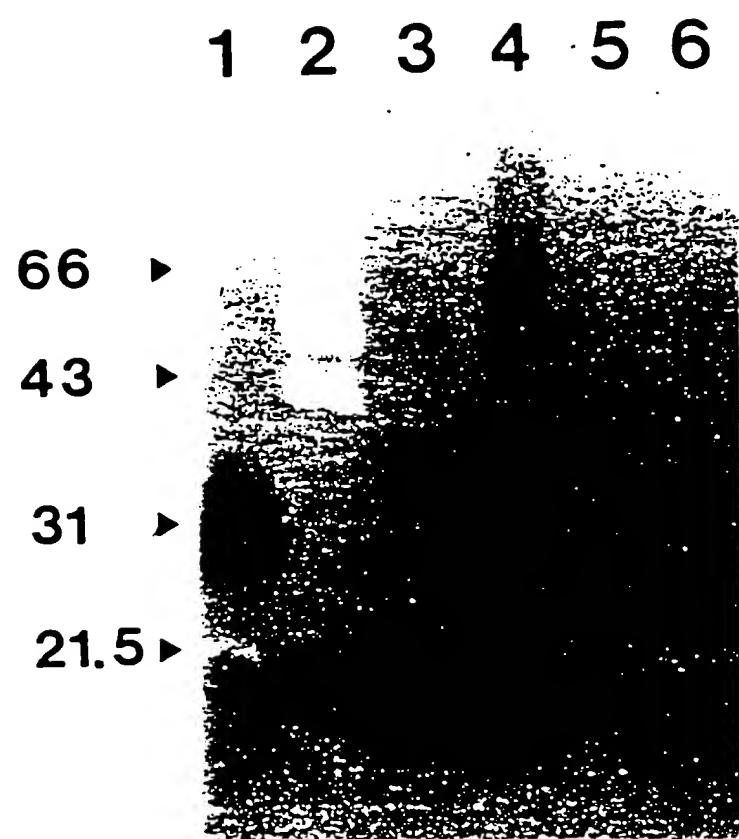


FIGURE 14

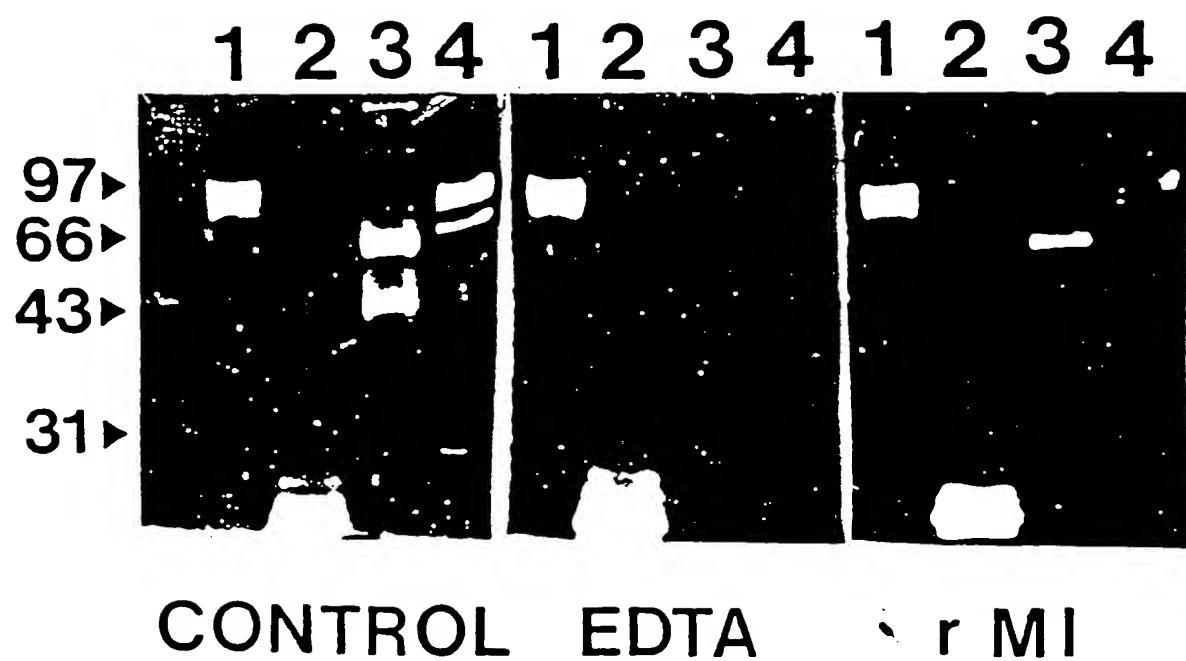
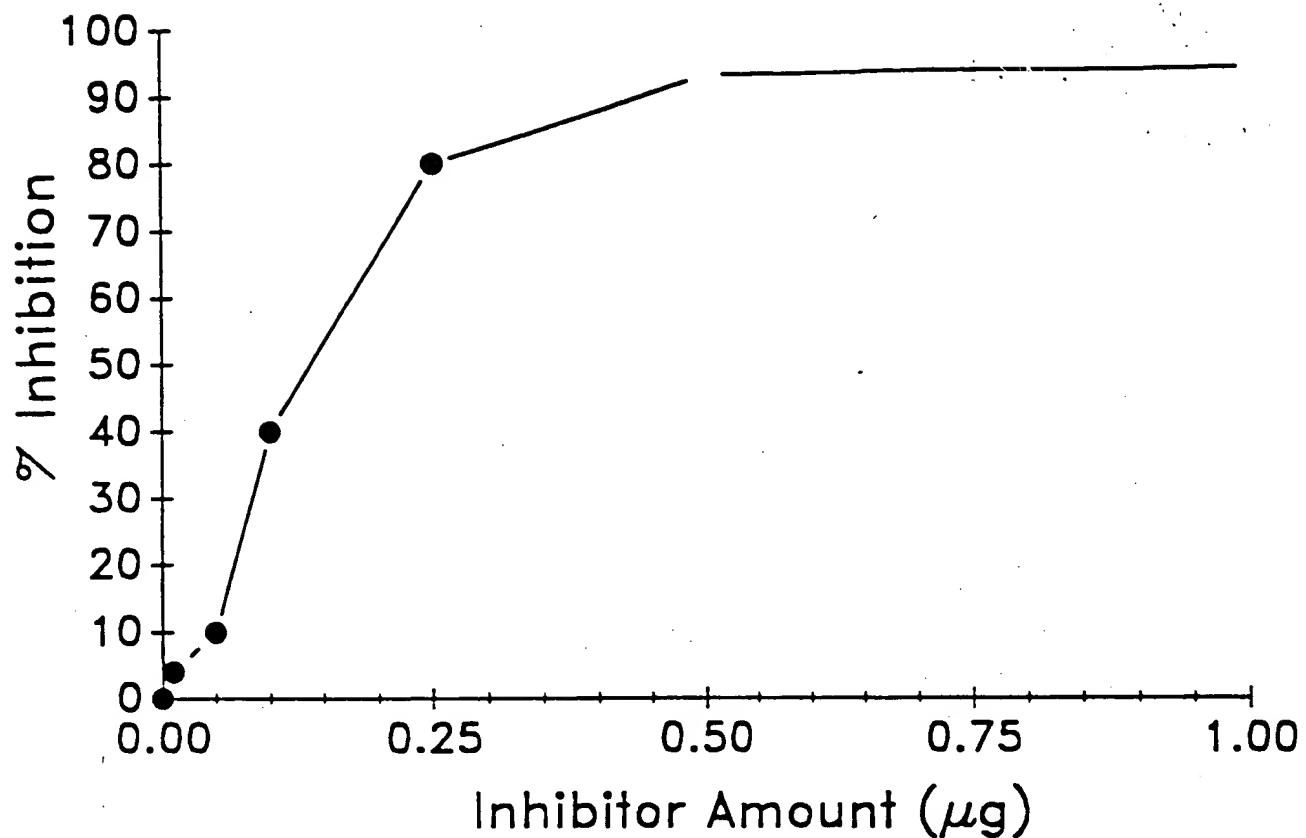


FIGURE 15

A.



B.

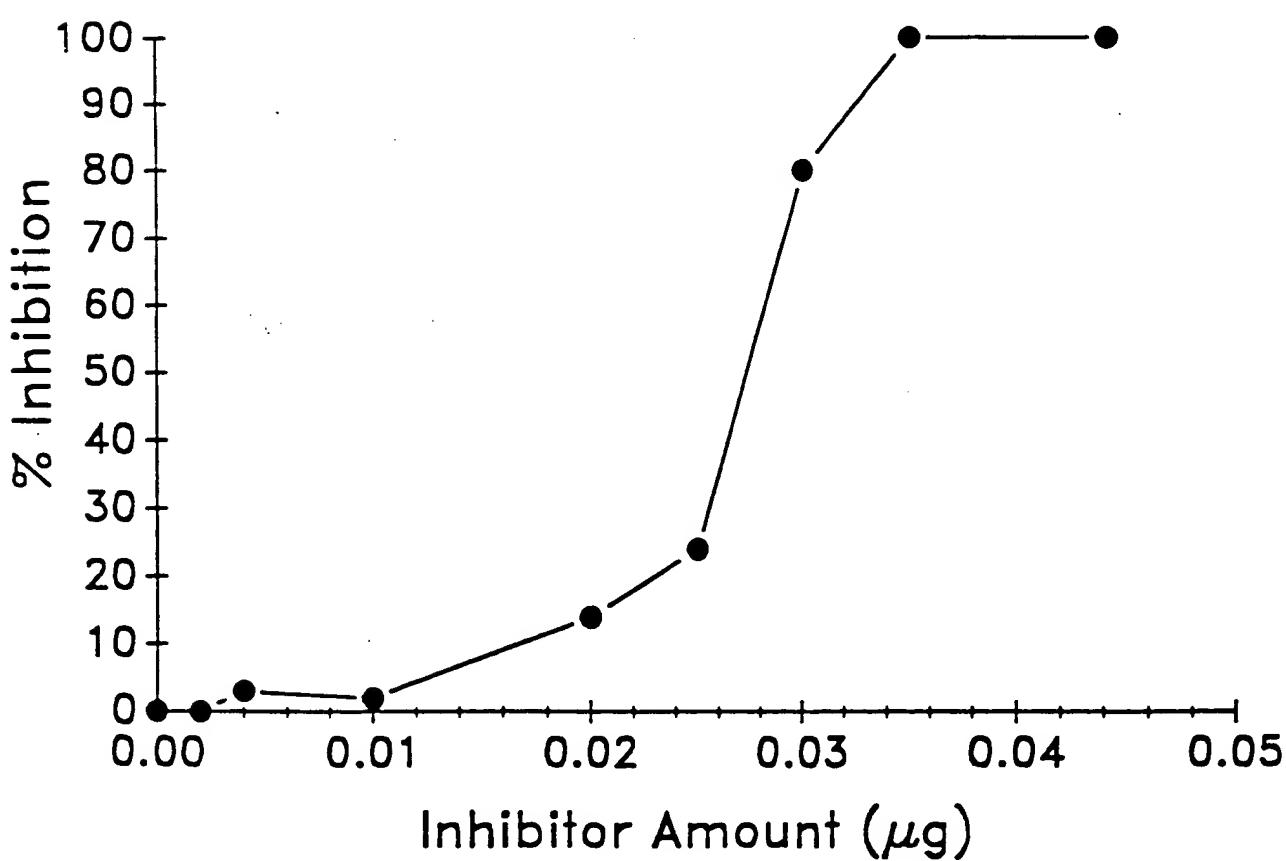


FIGURE 16

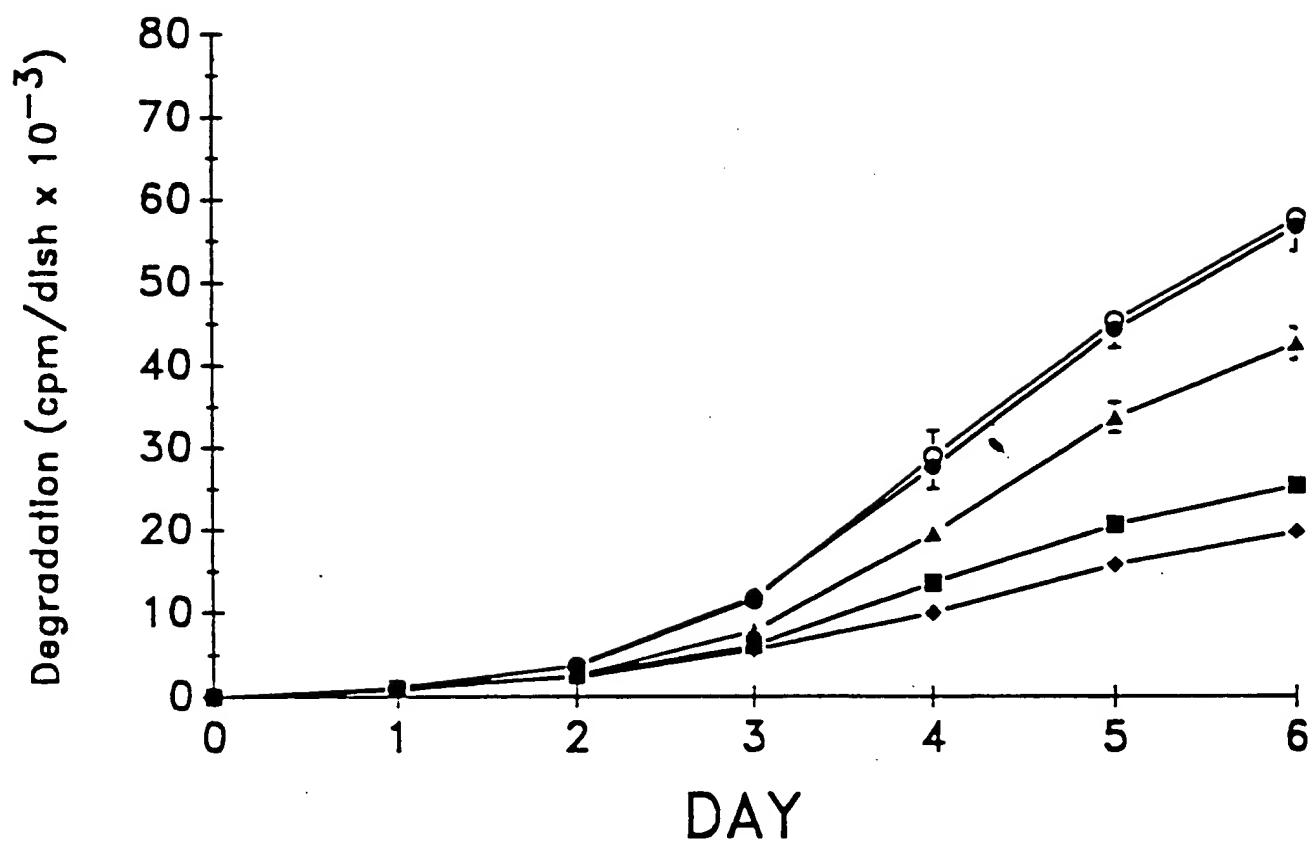


FIGURE 17

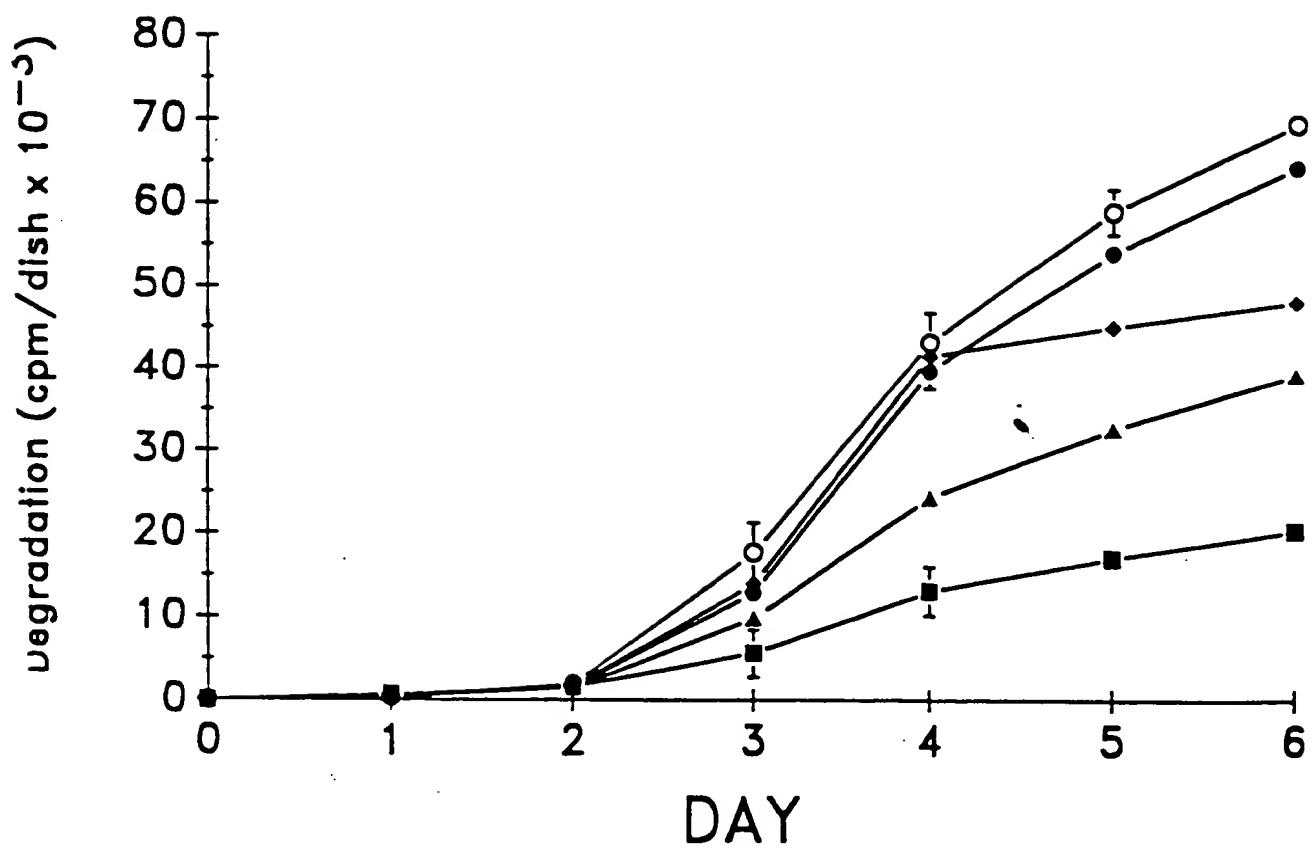


FIGURE 19

A



B



C



FIGURE 20

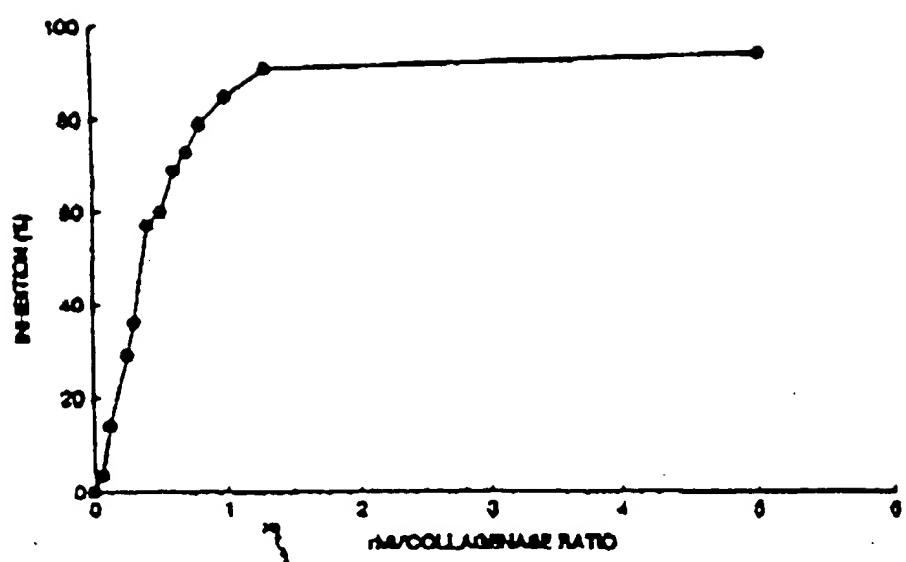


FIGURE 21

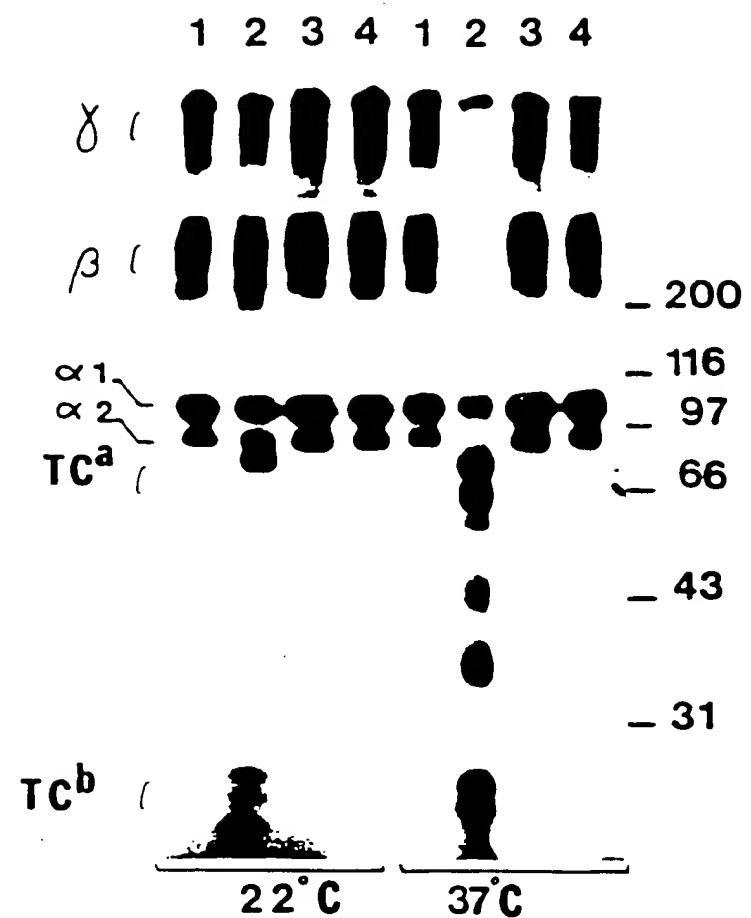


FIGURE 22

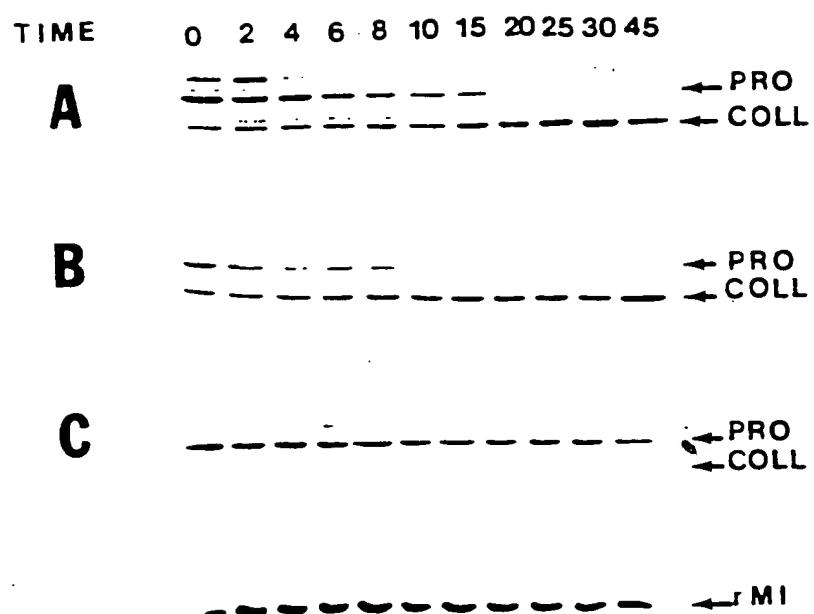


FIGURE 23

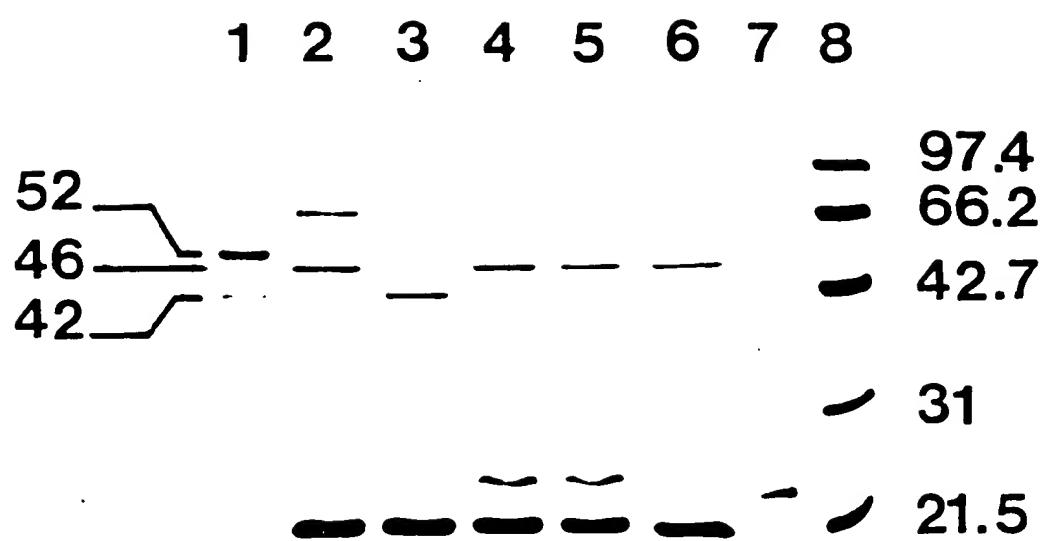


FIGURE 24

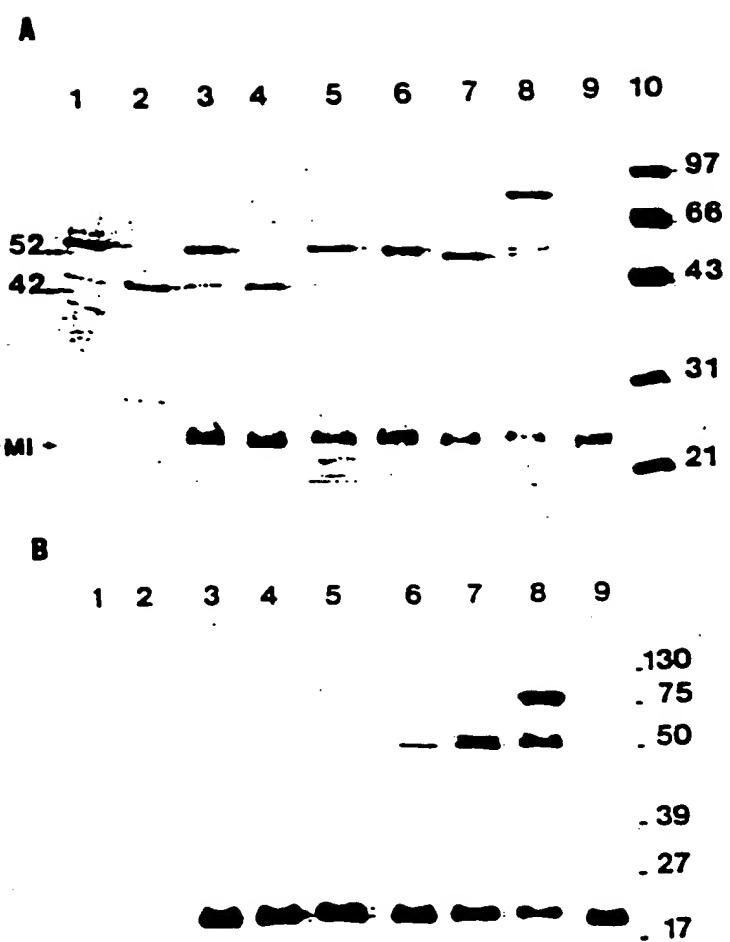
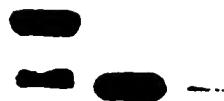


FIGURE 25

1 2 3 4

procoll-rMI ►  
coll-rMI ►



rMI ►



FIGURE 26

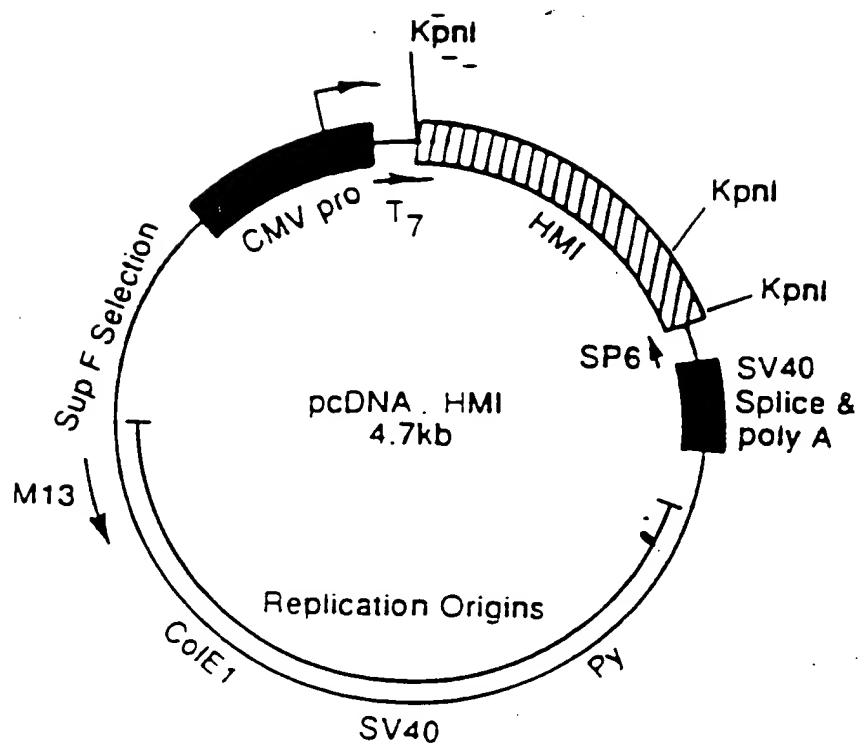


FIGURE 27

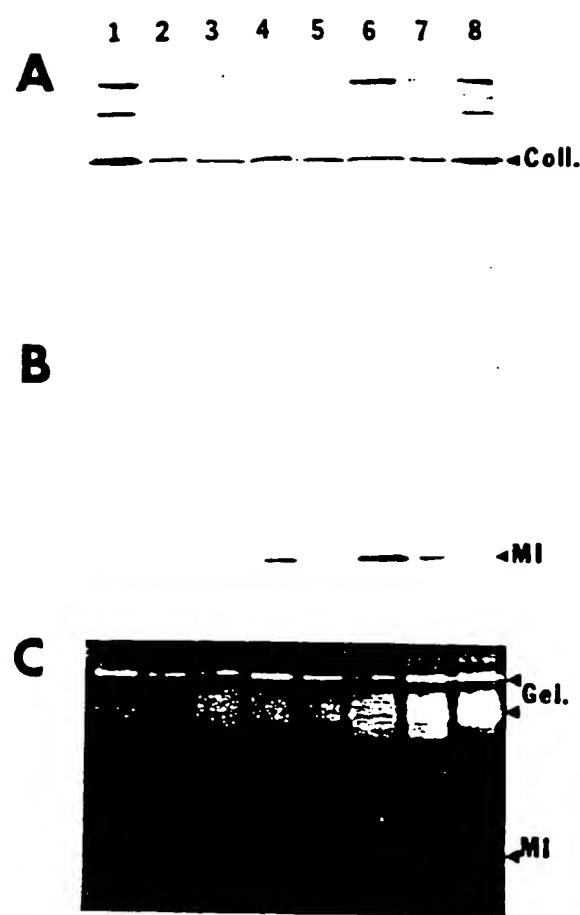


FIGURE 28

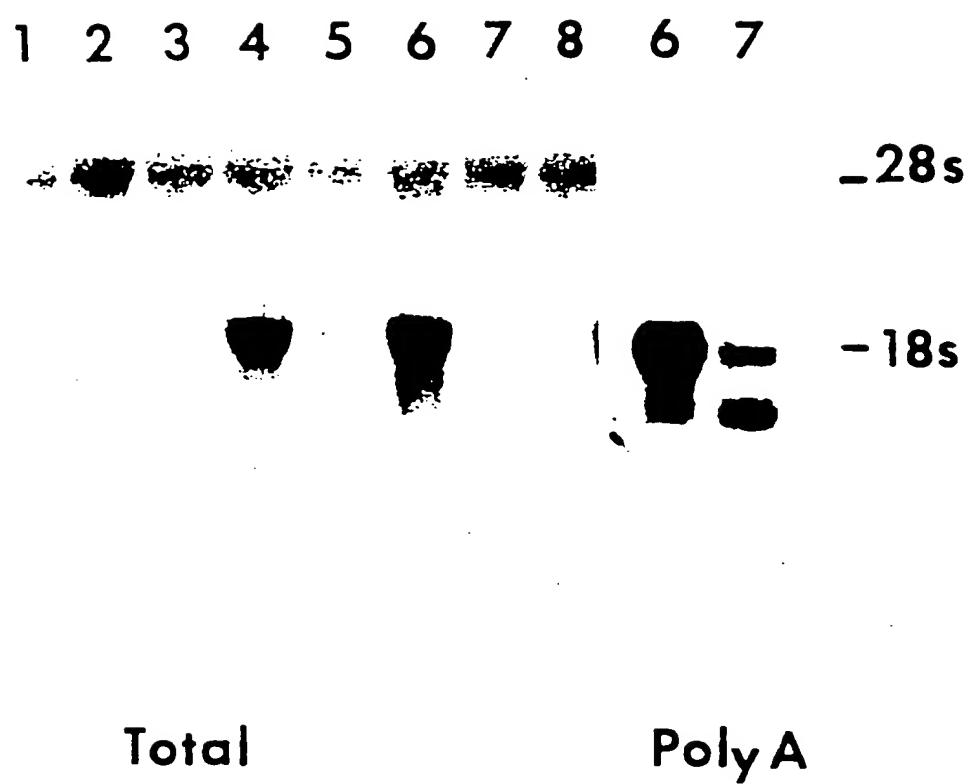


FIGURE 29

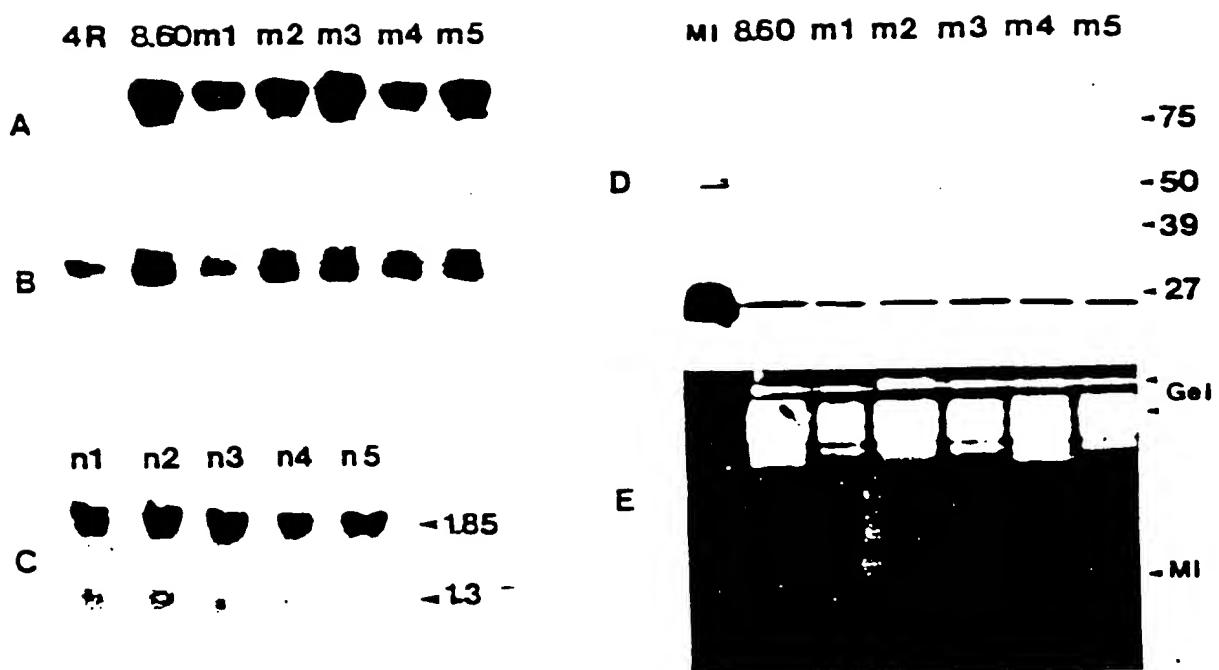


FIGURE 30

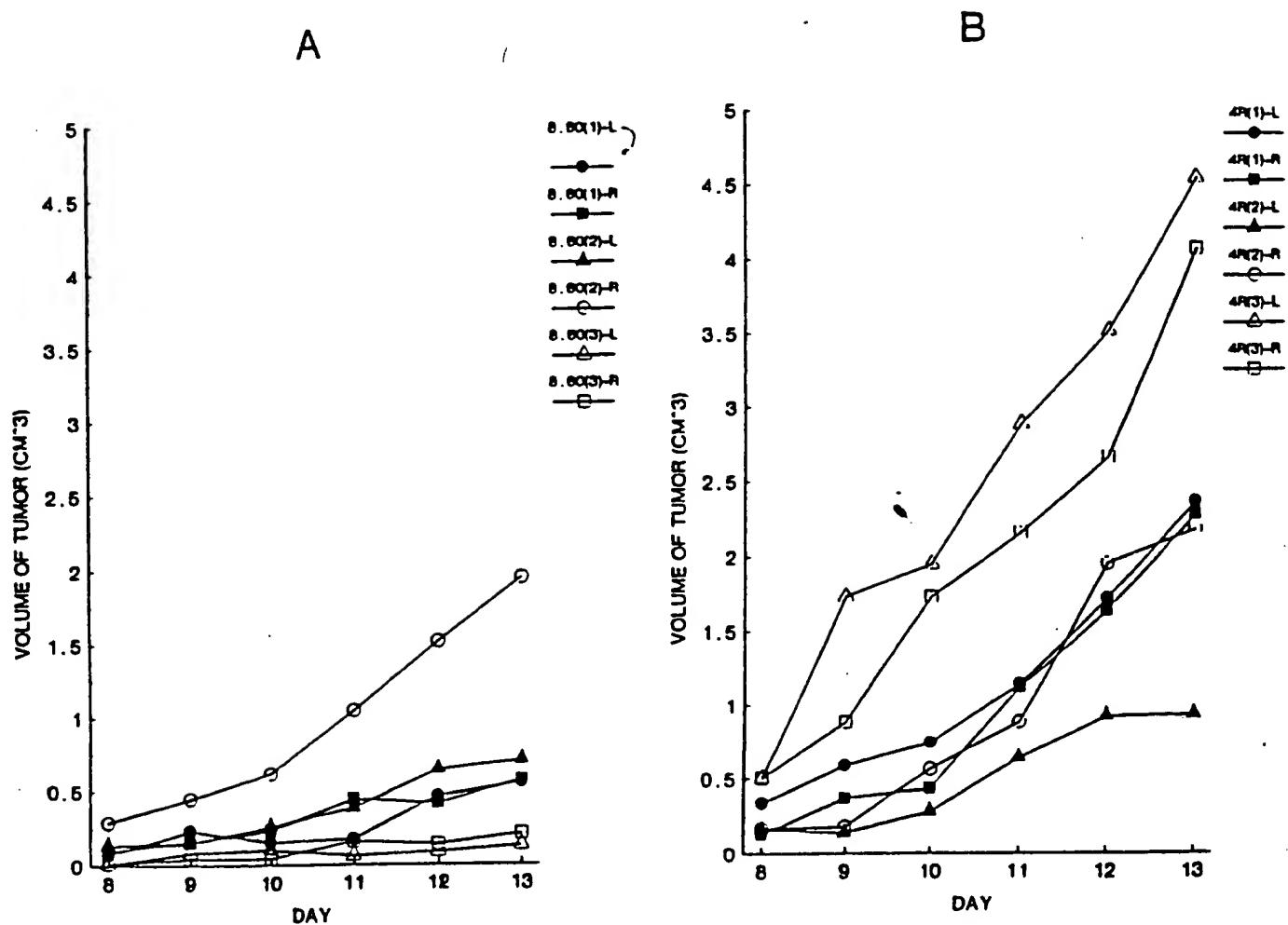
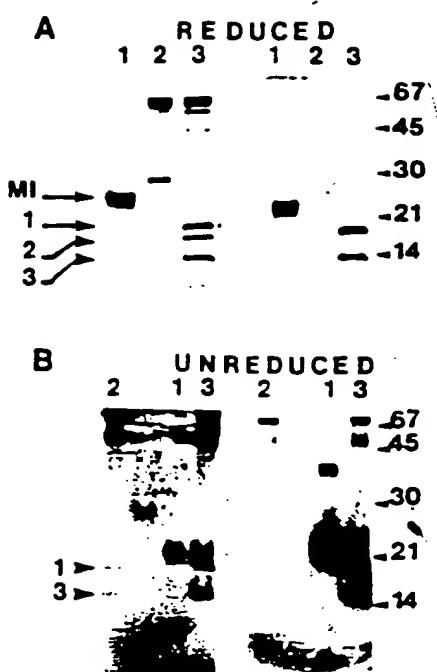


FIGURE 31



## FIGURE 32

Band 1: (Cys)-Ser-(Cys)-Ser-Pro-Val-His-Pro-Gln-Gln-Ala-Pho-  
(Cys)-Asn-Ala-Asp-Val-Val-Ile-....

Band 2: Val-Val-Gly-Gly-Pro-(or Ala)-Val-Ala-His-Pro-His-Ser-  
Trp-Pro-Thr-Gln-Val-Ser-Lys-Arg-Thr-....

Band 3: (Cys)-Ser-(Cys)-Ser-Pro-Val-....

FIGURE 33

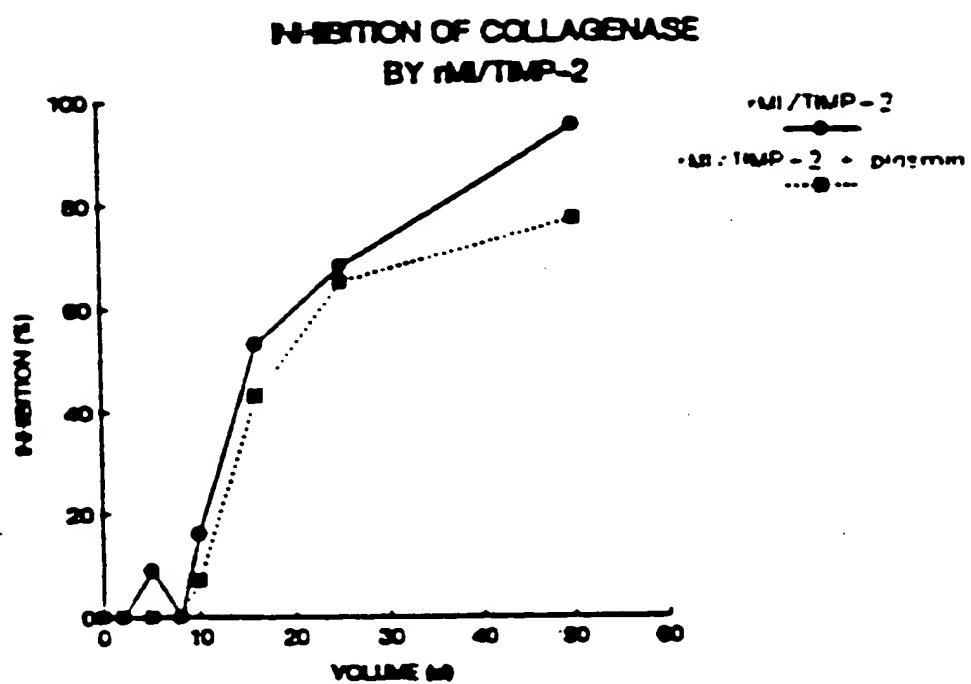


FIGURE 34

